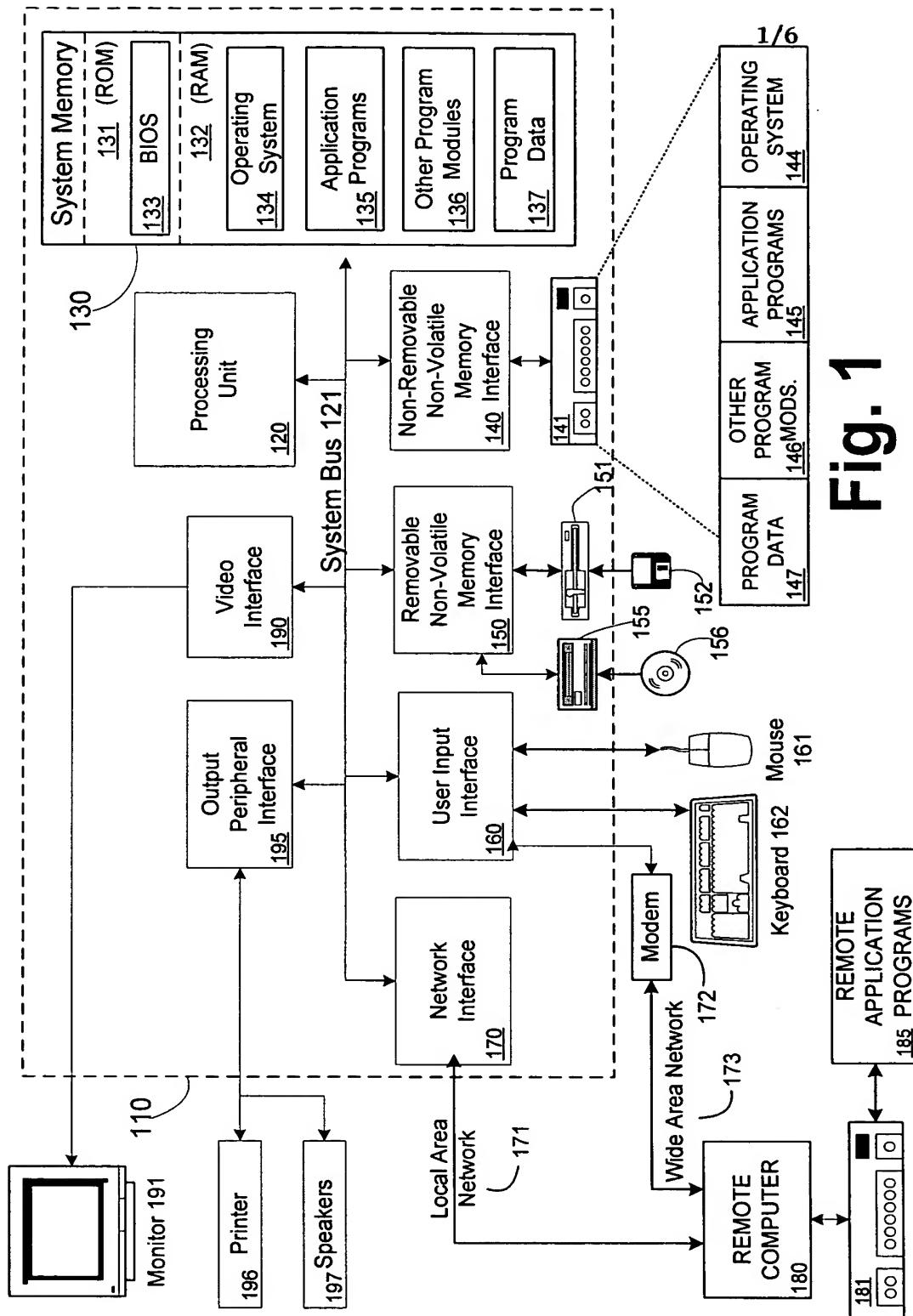


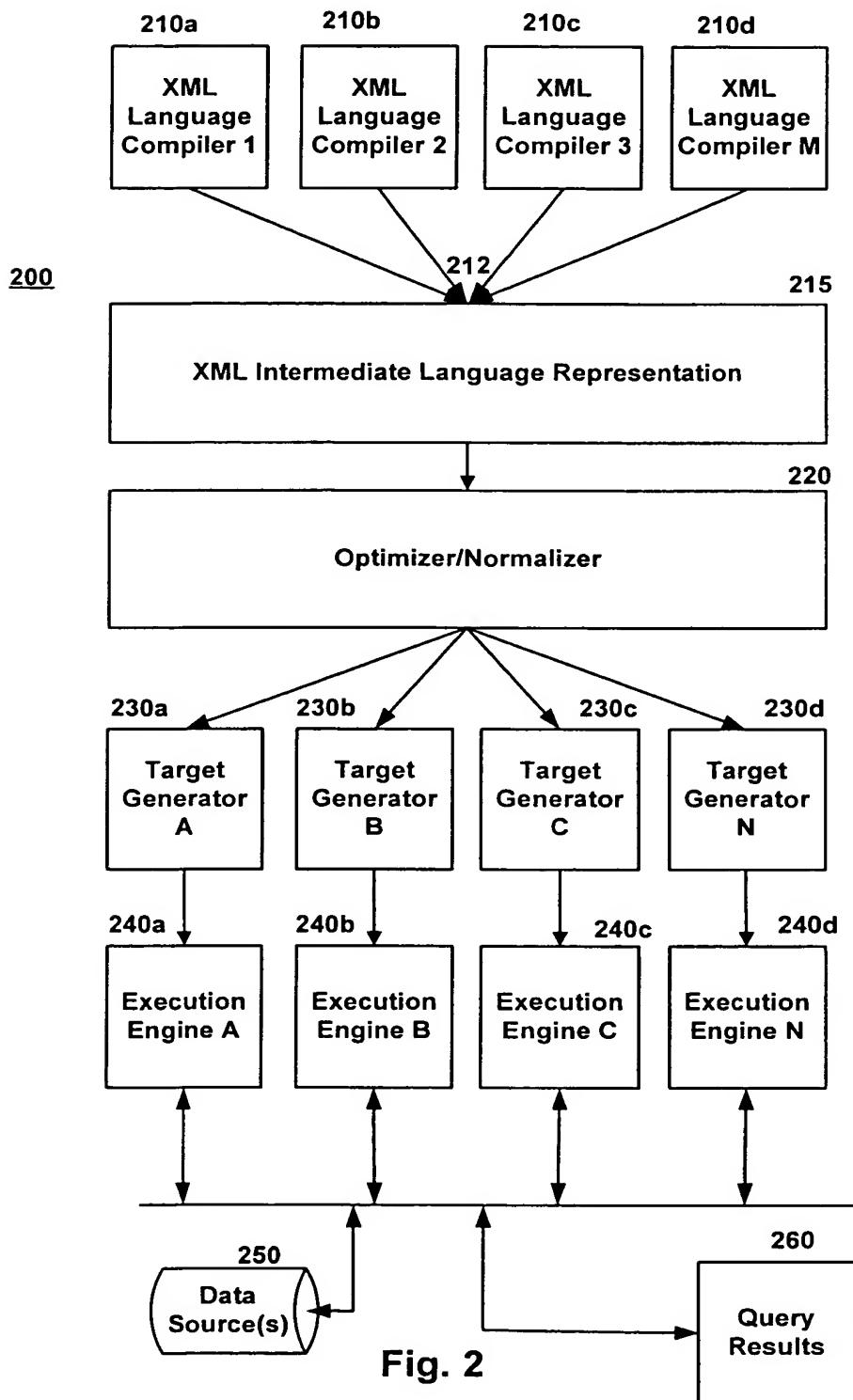
Computing Environment

100

**Fig. 1**

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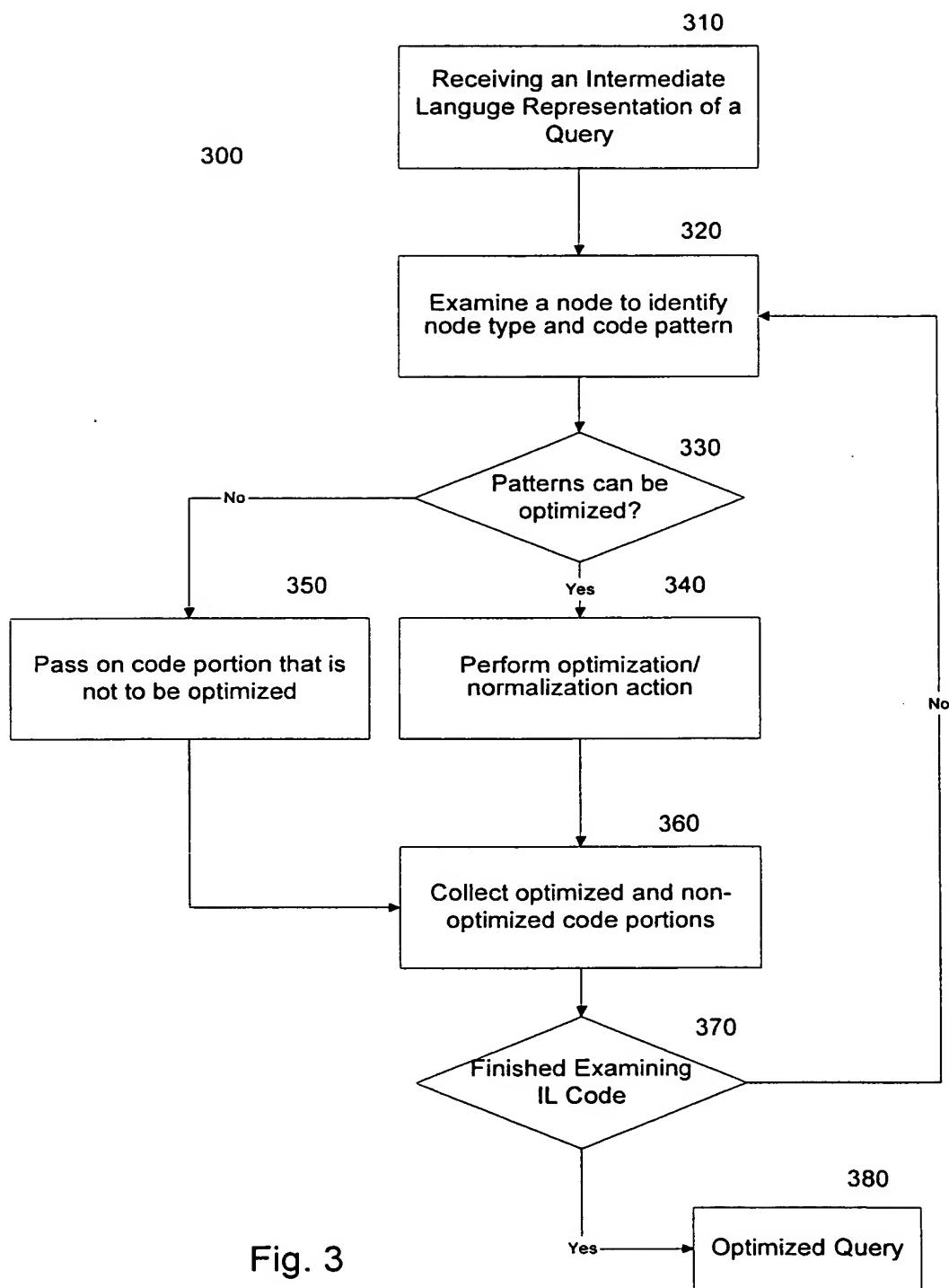


Fig. 3

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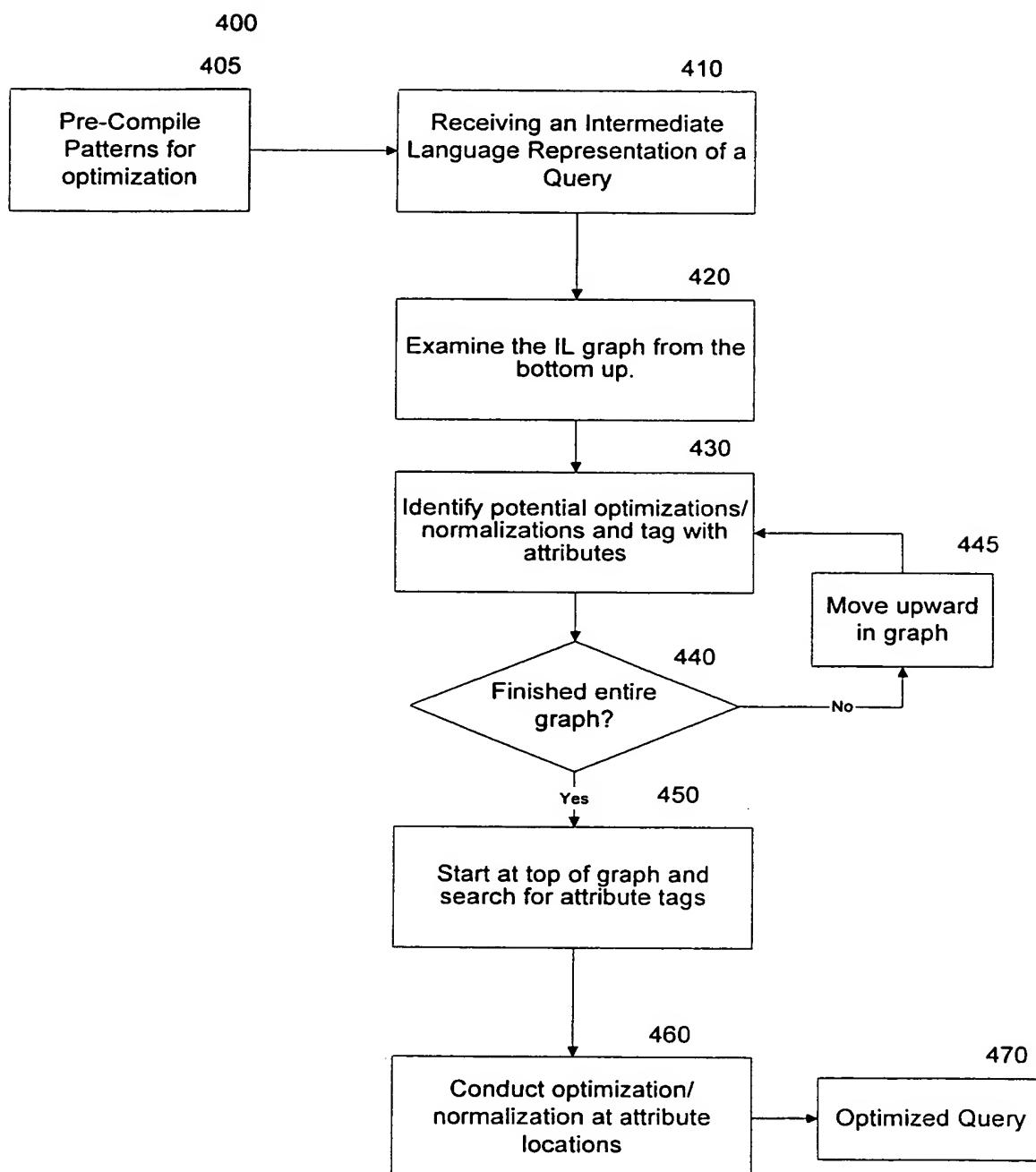


Fig. 4

510

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520

```

<Qil>
  <DocOrderDistinct>
    <Tuple>
      <For id="$a">
        <Content>
          <XmlContext />
        </Content>
      </For>
    <And>
      <IsType>
        <TargetType>One;Node;None;
      Element;True</TargetType>
        <RefTo id="$a" />
      </IsType>
    <Eq>
      <NameOf>
        <RefTo id="$a" />
      </NameOf>
      <LiteralQName local-name="a"/>
    </Eq>
  <And>
    <Tuple>
      <For id="$b">
        <Content>
          <RefTo id="$a" />
        </Content>
      </For>
    <And>
      <IsType>
        <TargetType>One;Node;
      None;Element;True</TargetType>
        <RefTo id="$b" />
      </IsType>
    <Eq>
      <NameOf>
        <RefTo id="$b" />
      </NameOf>
      <LiteralQName local-name="b"/>
    </Eq>
  <And>
    <Tuple>
      <For id="$c">
        <Parent>
          <RefTo id="$b" />
        </Parent>
      </For>
      <True />
      <RefTo id="$c" />
    </Tuple>
  </Tuple>
</DocOrderDistinct>
</Qil>

```

515

```

<Qil>
  <DocOrderDistinct>
    <Tuple>
      <For id="$a">
        <Content>
          <XmlContext />
        </Content>
      </For>
    <And>
      <IsType>
        <TargetType>One;Node;
      Element;True</TargetType>
        <RefTo id="$a" />
      </IsType>
    <Eq>
      <NameOf>
        <RefTo id="$a" />
      </NameOf>
      <LiteralQName local-name="a"/>
    </Eq>
  <And>
    <Not>
      <IsEmpty>
        <Tuple>
          <For id="$b">
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              <RefTo id="$a" />
            </Content>
          </For>
        <And>
          <IsType>
            <TargetType>One;Node;
          None;Element;True</TargetType>
            <RefTo id="$b" />
          </IsType>
        <Eq>
          <NameOf>
            <RefTo id="$b" />
          </NameOf>
          <LiteralQName local-
          name="b" />
        </Eq>
      <And>
        <RefTo id="$b" />
      </Tuple>
    </Not>
  <And>
    <RefTo id="$a" />
  </Tuple>
</DocOrderDistinct>
</Qil>

```

525

Fig. 5

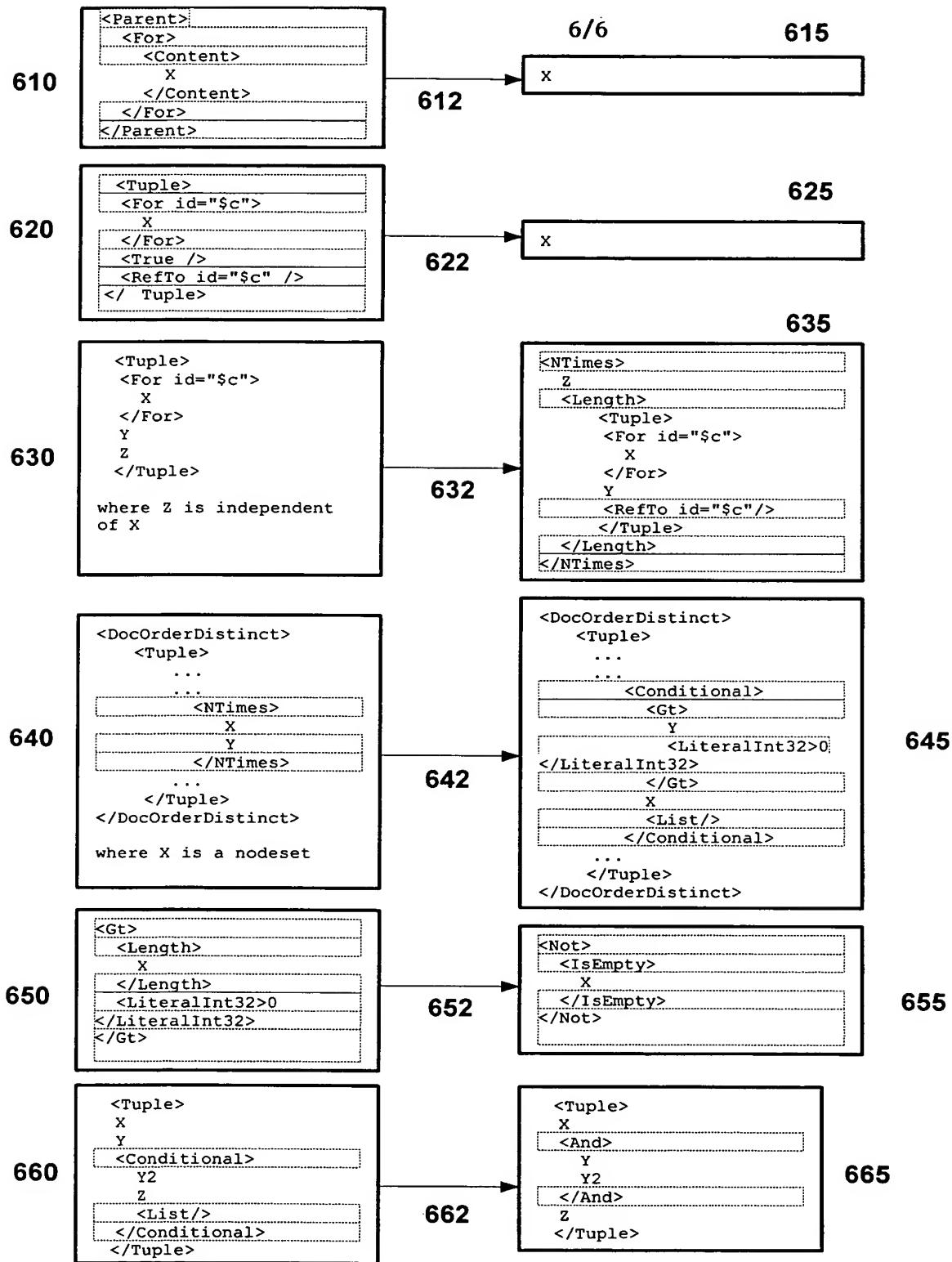


Fig. 6